

We claim:

1. In combination with a septic tank having a top, bottom, receiving side, discharge side, front and rear, said top, bottom, sides, front and rear, defining a tank interior, said septic tank interior receives waste from a receiving waste pipe protruding through the tank receiving side, said waste separating into solids and effluent, said waste effluent flowing out through a discharge pipe protruding through the tank discharge side into a secondary treatment means, said treated effluent output from the secondary treatment means being recycled back into the septic tank through a recycle pipe protruding through the tank rear, a denitrification media, comprising:

a plurality of synthetic cords, each cord having a specific gravity less than a specific gravity of the effluent, said cords each having two ends, one of which is attached within the septic tank interior to the tank bottom.

2. A denitrification media as recited in claim 1, wherein:

said plurality of cords form a denitrification wall across the tank interior extending from the tank bottom up to an effluent surface level.

3. A denitrification media as recited in claim 2, wherein:

the plurality of cords are bunched to form a lateral denitrification wall extending from the tank rear to front.

4. A denitrification media as recited in claim 3, wherein:

the plurality of cords are positioned toward the tank discharge side.

5. A septic system, comprising:

an anoxic tank having a top, bottom, receiving side, discharge side, front and rear, said top, bottom, sides, front and rear, defining a tank interior;

a receiving waste pipe protruding through the tank receiving side into said tank interior, said receiving waste pipe adapted to receive waste, said waste being separated into solids and effluent within said tank interior;

a discharge pipe protruding through the tank discharge side from the tank interior, said discharge pipe adapted to carry waste effluent out of the tank

into a secondary treatment means;

a recycle pipe interconnecting the secondary treatment means with the tank interior through the tank rear;

a denitrification media comprised of a plurality of synthetic cords, each cord having a specific gravity less than a specific gravity of the effluent, said cords each having two ends, one of which is attached within the tank interior to the tank bottom.

6. A septic system as recited in claim 5, wherein:

said plurality of cords form a denitrification wall across the tank interior extending from the tank bottom up to an effluent surface level.

7. A septic system as recited in claim 6, wherein:

the plurality of cords are bunched to form a lateral denitrification wall extending from the tank rear to front.

8. A septic system as recited in claim 7, wherein:

the plurality of cords are positioned toward the tank
discharge side.

9. A method of enhancing denitrification in a septic system,
comprising the steps of:

providing an anoxic tank having a top, bottom, receiving
side, discharge side, front and rear, said top,
bottom, sides, front and rear, defining a tank
interior;

providing a receiving waste pipe protruding through the
tank receiving side into said tank interior, said
receiving waste pipe adapted to receive waste, said
waste being separated into solids and effluent
within said tank interior;

providing a discharge pipe protruding through the tank
discharge side from the tank interior, said
discharge pipe adapted to carry waste effluent out
of the tank into a secondary treatment means;

providing a recycle pipe interconnecting the secondary
treatment means with the tank interior through the
tank rear;

providing a denitrification media comprised of a plurality of synthetic cords, each cord having a specific gravity less than a specific gravity of the effluent, said cords each having two ends, one of which is attached within the tank interior to the tank bottom.

10. A method as recited in claim 9, further comprising the steps of:

forming said plurality of cords into a denitrification wall across the tank interior extending from the tank bottom up to an effluent surface level.

11. A method as recited in claim 10, further comprising the steps of:

bunching the plurality of cords to form a lateral denitrification wall extending from the tank rear to front.

12. A method as recited in claim 11, further comprising the steps of:

positioning the plurality of cords toward the tank
discharge side.